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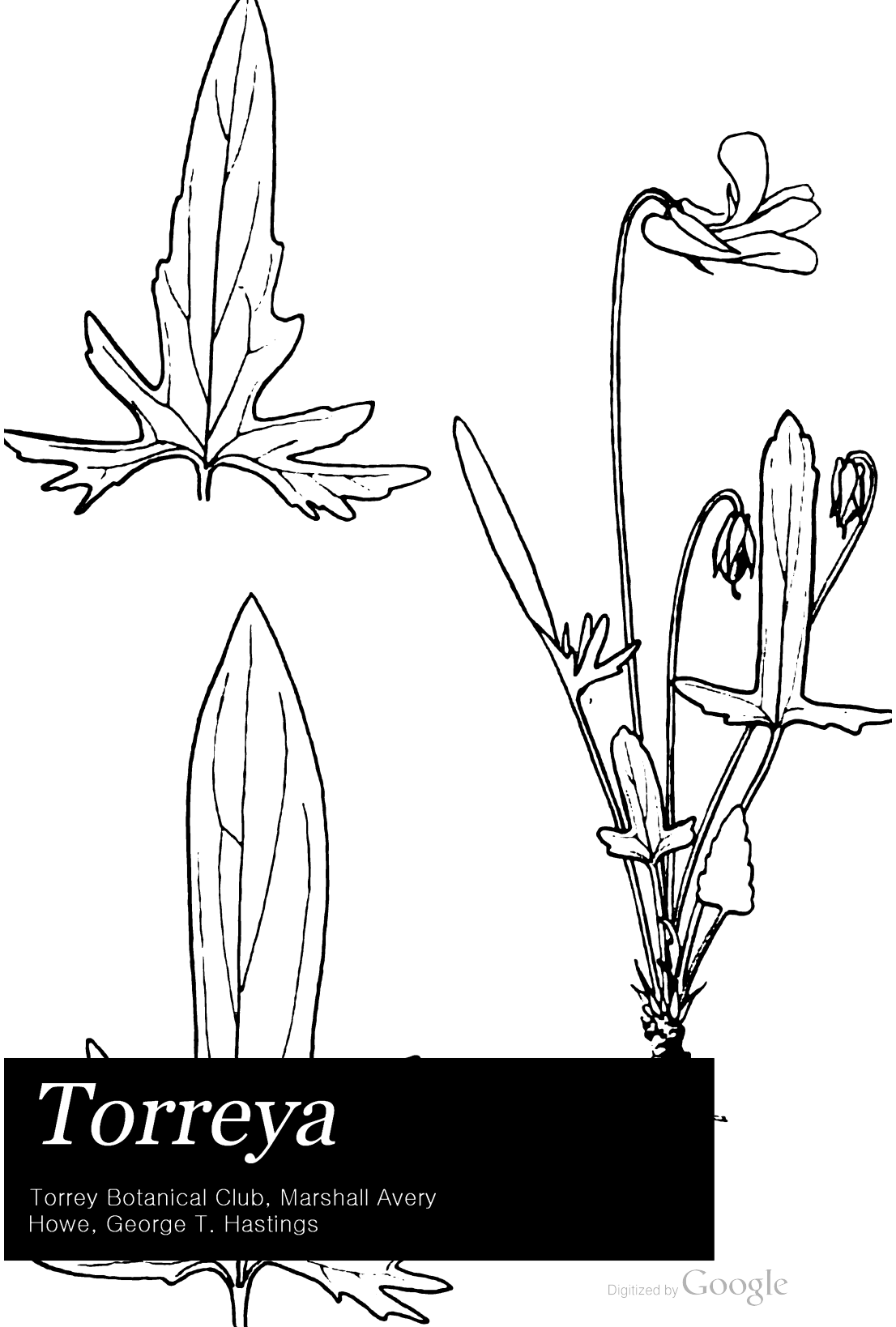
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# TORREYA

A MONTHLY JOURNAL OF BOTANICAL NOTES AND NEWS



JOHN TORREY, 1796-1873

EDITED FOR  
THE TORREY BOTANICAL CLUB  
BY  
NORMAN TAYLOR

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1914

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**NORMAN TAYLOR**

Brooklyn Botanic Garden

Brooklyn, N. Y.

# TORREYA

August, 1914.

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No. 8

## PROPOSED WORK ON THE CRYPTOGAMIC FLORA OF THE REGION ABOUT NEW YORK

May 8, 1914

### TO THE MEMBERS OF THE TORREY BOTANICAL CLUB:

The following program for work on the cryptogams has been sent to all members of the Torrey Botanical Club and others interested. It is desired to secure the coöperation of as many collectors and field workers as possible.

The Club proposes to undertake special work during the coming year on the cryptogamic flora of the region. The completion and provision for publication of Mr. Taylor's list of the flowering plants and ferns suggest the extension of the Club's activities to this further field as the next large undertaking necessary to complete our knowledge of the plant life of the local flora district.

Notable work on various groups of the cryptogams has already been accomplished and it is hoped to publish at once in the Club's journals preliminary lists, so far as they are available. It is the desire of the Club to enlist the assistance in this undertaking of as many collectors and field workers as possible. It has been decided to create a considerable number of special committees with chairmen, who, as far as possible, are interested in particular groups and to invite the members of the Club and others to enroll themselves on one or more of these committees. The chairmen will organize field excursions either for their special work or in conjunction with other committees and the effort will be made to arrange the dates for trips to the different regions so as to visit each locality at a time most favorable for

[No. 7, Vol. 14, of *TORREYA*, comprising pp. 115-132, was issued 17 July 1914.]



*Onoclea sensibilis* L.

*Polypodium vulgare* L.—Mattituck.

*Polystichum acrostichoides* (Mx.) Schott.—Orient.

*Pteridium aquilinum* (L.) Kuhn.

#### EQUISETACEAE

*Equisetum arvense* L.

#### LYCOPODIACEAE

*Lycopodium complanatum* L.—Rare at Greenport.

*L. inundatum* L.—Rare at Southold, the var. *Bigelovii* Tuck.

*L. lucidulum* Mx.—Rare at Greenport.

*L. obscurum* L.—Rare at Greenport, the var. *dendroideum* (Mx.) D. C. Eaton.

#### SELAGINELLACEAE

*Selaginella rupestris* (L.) Spring.—Rare at Orient in sandy soil, Nov., 1910 and 1911.

### SPERMATOPHYTA

#### GYMNOSPERMAE

#### PINACEAE

*Juniperus sibirica* Burgsd.—Rare at Southold on sandy hills. (*Juniperus nana* Willd.)

*J. virginiana* L.—Prostrate forms also occur.

*Picea rubens* Sargent.—Rare at Orient.

*Pinus rigida* Mill.

#### ANGIOSPERMAE

#### MONOCOTYLEDONES

#### TYPHACEAE

*Typha angustifolia* L.

*T. latifolia* L.

#### SPARGANIACEAE

*Sparganium americanum* Nutt.—Rare at Greenport in a stream.

*S. androcladon* (Engelm.) Morong—Greenport.

*S. diversifolium* Graeb.—Rare at Southold, 8 Aug., 1910.

*S. eurycarpum* Engelm.—Rare on Gardiner's Island.

#### ZANNICHELLIACEAE

*Potamogeton Oakesianus* Robbins—Greenport and Southold in ponds.

*P. pusillus* L.—Greenport in a shallow pond.

*Ruppia maritima* L.—Salt-water ponds and creeks.

#### ZOSTERACEAE

*Zostera marina* L.

#### SCHEUCHZERIACEAE

*Triglochin maritima* L.—Salt marshes.

#### ALISMACEAE

*Alisma subcordatum* Raf.—(Formerly confused with *Alisma Plantago-aquatica* L.)

*Sagittaria latifolia* Willd.—Rare and variable.

## GRAMINEAE

- Agropyron repens* (L.) Bv.—Meadows and cultivated soil.  
*Agrostis alba* L.—Also the var. *vulgaris* (With.) Thurb.  
*A. canina* L.—Orient.  
*A. hyemalis* (Walt.) BSP.—Wooded swamps and brackish meadows; determined in part by Mrs. Agnes Chase.  
*A. maritima* Lam.—Salt marshes; determined in part by Mrs. Chase.  
*Alopecurus pratensis* L.—Rare at Orient in a low field; determined at the New York Botanical Garden.  
*Ammophila arenaria* (L.) Link—Orient.  
*Andropogon furcatus* Muhl.—Orient in shaded places.  
*A. glomeratus* (Walt.) BSP.—Rare at Orient.  
*Anthoxanthum odoratum* L.  
*Aristida dichotoma* Mx.  
*A. gracilis* Ell.—Orient in meadows; specimens in N. Y. State Herbarium.  
*A. purpurascens* Poir.—Rare at Gardiner's Island; specimens in N. Y. State Herbarium.  
*Arrhenatherum elatius* (L.) Bv.—Determined in part by Mrs. Chase.  
*Aspris caryophyllea* (L.) Nash—Greenport. (*Aira caryophyllea* L.)  
*Bromus hordeaceus* L.—Orient in sandy soil.  
*B. purgans* L.—Rare at Orient.  
*B. racemosus* L.—Rare at Orient.  
*B. secalinus* L.—Cultivated grounds; determined in part by Mrs. Chase.  
*B. tectorum* L.—Rare at Orient in sandy soil.  
*Calamagrostis canadensis* (Mx.) Bv.—Low grounds.  
*Cenchrus tribuloides* L.—Rare at Orient and Gardiner's Island.  
*Chaetochloa glauca* (L.) Scribn.—Orient in cultivated soil.  
*C. imberbis* (Poir.) Scribn.—Salt marshes.  
*C. italica* (L.) (Scribn.)—Escaped from cultivation at Orient.  
*C. viridis* (L.) Scribn.  
*Cinna arundinacea* L.—Greenport.  
*C. latifolia* (Trev.) Griseb.—Greenport; specimens in N. Y. State Herbarium.  
*Cynosorus cristatus* L.—Rare at Orient in waste places.  
*Dactylis glomerata* L.—Meadows.  
*D. anthonia spicata* (L.) Bv.—Determined in part by Mrs. Chase.  
*Deschampsia flexuosa* (L.) Trin.  
*Distichlis spicata* (L.) Greene  
*Echinochloa Crus-galli* (L.) Bv.  
*E. Walleri* (Pursh) Nash.  
*Eleusine indica* (L.) Gaertn.  
*Elymus canadensis* L.—Beaches.  
*E. virginicus* L.—Salt marshes.  
*Eragrostis Eragrostis* (L.) Karst.  
*E. major* Host.—Rare at Orient.  
*E. pectinacea* (Mx.) Steud.—Orient on hillsides.  
*E. pilosa* (L.) Bv.—Rare at Orient along roads.  
*Festuca capillata* Lam.—Orient in meadows; determined by Mr. P. L. Ricker.  
*F. elatior* L.

- F. nutans* Willd.—Orient.
- F. octoflora* Walt.—Orient in light soil.
- F. ovina* L.—Orient; also the var. *pseudovina* Hack., on sandy beaches, determined by Mrs. Chase.
- Homalocenchrus oryzoides* (L.) Poll.—About swamps and ponds.
- H. virginicus* (Willd.) Britton—Greenport.
- Hordeum jubatum* L.—Rare at Orient.
- Lolium perenne* L.—Orient in a meadow.
- Muhlenbergia mexicana* (L.) Trin.
- M. Schreberi* Gmeln.—Orient in cedar woods.
- M. umbrosa* Scribn.—Low woods. (*Muhlenbergia sylvatica* Torr.)
- Nothololcus lanatus* (L.) Nash—(*Holcus lanatus* L.)
- Panicularia acutiflora* (Torr.) Ktze.—Orient about ponds.
- P. grandis* (Wats.) Nash—Determined by Mrs. Chase.
- P. nervata* (Willd.) Ktze.—Greenport in wooded swamps; also the var. *parviflora* (Vasey) in moist woods.
- Panicularia pallida* (Torr.) Ktze.—Greenport.
- P. septentrionalis* (Hitchc.) Bicknell—Greenport in wet woods, specimens with very long panicles.
- Panicum agrostoides* Spreng.—Orient; specimens in N. Y. State Herbarium.
- P. amarum* Ell.—Southold on sandy beaches; specimens in N. Y. State Herbarium.
- P. Ashei* Pearson—Orient; determined by Mrs. Chase.
- P. Bicknellii* Nash.
- P. Boscii* Poir.
- P. capillare* L.—A weed in cultivated soil.
- P. cladestinum* L.
- P. columbianum* Scribn.—Determined by Mrs. Chase.
- P. Commonsianum* Ashe—Determined by Mrs. Chase.
- P. depauperatum* Muhl.—Sandy soil; determined by Mrs. Chase.
- P. dichotomiflorum* Mx.—Cultivated soil. (Formerly confused with *Panicum proliferum* Lam.)
- P. dichotomum* L.—Determined by Mrs. Chase.
- P. huachucae* Ashe—Sandy soil; also the var. *silvicola* Hitchc. & Chase, determined by Mrs. Chase.
- P. implicatum* Scribn.
- P. meridionale* Ashe—Determined by Mrs. Chase. (*Panicum oricola* Hitchc. & Chase.)
- P. microcarpon* Muhl.—Rare at Greenport, also "a rare form with pubescent spikelets" in cedar woods at Orient; determined by Mrs. Chase. (*Panicum barbulatum* Nash.)
- P. polyanthes* Schultes—Determined by Mrs. Chase.
- P. Scribnerianum* Nash—Hilly pastures at East Marion.
- P. sphaerocarpon* Ell.—Greenport; determined by Mrs. Chase.
- P. spretum* Schultes—Orient in wet meadows; reported in N. Y. State Mus. Bull. 139: 27. 1910.
- P. verrucosum* Muhl.—Rare at Orient.
- P. virgatum* L.—Margins of salt marshes; determined in part by Mrs. Chase.
- Paspalum circulare* Nash—Greenport and East Marion; specimens in N. Y. State Herbarium.

- P. Muhlenbergii* Nash.  
*P. psammophilum* Nash.  
*P. setaceum* Mx.—Specimens in N. Y. State Herbarium.  
*Phleum pratense* L.  
*Phragmites Phragmites* (L.) Karst.—Orient in swamps.  
*Poa annua* L.  
*P. compressa* L.—Sandy soil.  
*P. pratensis* L.—Meadows.  
*P. triflora* Gillib.—Orient about ponds; determined in part by Mrs. Chase. (Formerly confused with *Poa flava* L.)  
*Savastana odorata* (L.) Scribn.—Wet meadows.  
*Schizachyrium scoparium* (Mx.) Nash—(*Andropogon scoparius* Mx.)  
*Sorghastrum nutans* (L.) Nash—Orient in moist woods.  
*Spartina Michauxiana* Hitchc.  
*S. patens* (Ait.) Muhl.—Also var. *juncea* (Mx.) Hitchc.; specimens in N. Y. State Herbarium.  
*S. stricta* (Ait.) Roth—The var. *alterniflora* (Lois.) A. Gray.  
*Sphenopolis pallens* (Spreng.) Scribn.—Rare at Orient. (*Ealonia pennsylvanica* (DC.) Gray.)  
*Sporobolus asper* (Mx.) Kunth—Orient.  
*S. cryptandrus* (Torr.) A. Gray—Sandy beaches; reported in N. Y. State Mus. Bull. 150: 49. 1911.  
*Sporobolus uniflorus* Muhl.—Greenport. (*Sporobolus serotinus* (Torr.) A. Gray.)  
*S. vaginaeflorus* Torr.—Orient.  
*Stipa avenacea* L.—Rare at East Marion and Southold; specimens in N. Y. State Herbarium.  
*Syntherisma Ischaemum* (Schreb.) Nash—(*Syntherisma linearis* (Krock.) Nash.)  
*Tridens flava* (L.) Hitchc.—Dry soil.  
*Triplasis purpurea* (Walt.) Chapm.—Sandy hills.  
*Tripsacum dactyloides* L.—Upper edge of salt marsh at Orient, 19 July, 1909; specimens in N. Y. State Herbarium.

## CYPERACEAE

- Carex albolutescens* Schwein.  
*C. albursina* Sheldon—Greenport.  
*C. blanda* Dew.—Orient.  
*C. canescens* L.—Also the var. *disjuncta* Fernald; specimens of the variety in N. Y. State Herbarium.  
*C. cephalophora* Muhl.—Shaded places.  
*C. comosa* Boott.—Margins of swamps.  
*C. complanata* Torr.—(*Carex triceps*, var. *hirsuta* (Willd.) Bailey.)  
*C. crinita* Lam.—Swampy places.  
*C. digitalis* Willd.—Dry open woods.  
*C. festucacea* Schkuhr.—The var. *brevior* (Dew.) Fernald; determined at Bureau of Plant Industry.  
*C. flexuosa* Muhl.—Greenport. (*Carex tenuis* Rudge.)  
*C. foenea* Willd.  
*C. folliculata* L.—Greenport in swampy woods; also a slender form.  
*C. grisea* Wahl.—Determined at Bureau of Plant Industry.

- C. hormathodes* Fernald—Wet places.  
*C. intumescens* Rudge—Greenport.  
*C. lasiocarpa* Ehrh.—Greenport. (*Carex filiformis* L.)  
*C. Leersii* Willd.—Orient in swamps; also *Carex stellulata*, var. *excelsior* (Bailey) Fernald.  
*C. lupulina* Muhl.—Wet woods; also the var. *pedunculata* Dew.  
*C. lurida* Wahl.—Wet places; also the var. *parvula* (Paine) Bailey.  
*C. Muhlenbergii* Schkr.—Dry open woods; in part determined at Bureau of Plant Industry.  
*C. pallescens* L.—Orient in moist soil; plants with spikes on longer stalks than usual.  
*C. pennsylvanica* Lam.—Orient and East Marion in dry woods.  
*C. rosea* Schkr.—Hilly woods.  
*C. rosaeoides* E. C. Howe—Orient. (*Carex seorsa* E. C. Howe.)  
*C. rostrata* Stokes—Wet places. (*Carex utriculata* Boott.)  
*C. scoparia* Schkr.—Low grounds.  
*C. silacea* Olney—Salt marshes.  
*C. squarrosa* L.—Greenport.  
*C. stipata* Muhl.—Greenport in wet woods.  
*C. straminea* Willd.—Orient.  
*C. stricta* Lam.  
*C. typhina* Mx.—Greenport. (*Carex typhinoides* Schwein.)  
*C. varia* Muhl.—Greenport.  
*C. vestita* Willd.—Orient in open woods and moist soil.  
*C. virescens* Muhl.—Dry open woods; in part determined at Bureau of Plant Industry.  
*C. vulpinoidea* Mx.—Sandy hillsides and low woods.  
*C. Willdenowii* Schukr.—Determined at Bureau of Plant Industry.  
*C. dentatus* Torr.—Rare at Orient.  
*C. diandrus* Torr.—Wet places and near the beach.  
*C. esculentus* L.—Greenport.  
*C. ferax* L. C. Richard.—Rare near the beach; specimens in N. Y. State Herbarium.  
*C. filiculmis* Vahl—Sandy hillsides and beaches.  
*C. filicinus* Vahl—Low grounds and beaches; specimens in N. Y. State Herbarium. (*Cyperus Nuttallii* Eddy.)  
*C. Grayi* Torr.—Southold; specimens in N. Y. State Herbarium.  
*C. Houghtoni* Torr.—Orient.  
*C. strigosus* L.—Low grounds; also the var. *capitatus* Boeckl.  
*Dulichium arundinaceum* (L.) Britton—Swamps.  
*Eleocharis acicularis* (L.) R. & S.  
*E. acuminata* (Muhl.) Nees—Greenport.  
*E. intermedia* (Muhl.) Schultes—Greenport.  
*E. olivacea* Torr.—Greenport in a cat-tail swamp; also Orient.  
*E. obtusa* (Willd.) Schultes—In part determined at Bureau of Plant Industry.  
*E. palustris* (L.) R. & S.—Greenport in wet places.  
*E. tenuis* (Willd.) Schultes—Swampy places.  
*Eriophorum virginicum* L.—Rare at Orient in wet places.

- Fimbristylis autumnalis* (L.) R. & S.—Wet places.  
*F. castanea* (Mx.) Vahl—Rare at Orient on salt marshes; plants with shining(!) scales were collected 14 July 1913; specimens in N. Y. State Herbarium.  
*Mariscus mariscoides* (Muhl.) Ktze.—(*Cladium mariscoides* (Muhl.) Torr.)  
*Rynchospora corniculata* (Lam.) A. Gray—Rare at Orient, the var. *macrostachya* (Torr.) Britton.  
*R. glomerata* (L.) Vahl—Low grounds.  
*Scirpus americanus* Pers.—Salt marshes and beaches.  
*S. atrovirens* Muhl.—Orient.  
*S. cyperinus* (L.) Kunth—Wet places in open woods; also *Scirpus pedicellatus* Fernald.  
*S. Olneyi* A. Gray—Southold; specimens in N. Y. State Herbarium.  
*S. paludosus* A. Nels.—Orient on salt marshes.  
*S. robustus* Pursh.  
*S. validus* Vahl.  
*Stenophyllus capillaris* (L.) Britton—Sandy hillsides.

## ARACEAE

- Acorus calamus* L.  
*Arisaema triphyllum* (L.) Torr.  
*Peltandra virginica* (L.) Kunth—Greenport in wet woods.  
*Spathyema foetida* (L.) Raf.—Greenport.

## LEMNACEAE

- Lemna minor* L.—Greenport, floating on pools.

## XYRIDACEAE

- Xyris caroliniana* Walt.—Southold.

## ERIOCAULACEAE

- Eriocaulon septangulare* With.—Southold.

## COMMELINACEAE

- Commelina communis* L.—Roadsides and waste places.

## PONTEDERIACEAE

- Pontederia cordata* L.—Greenport and Southold.

## JUNCACEAE

- Juncoides campestre* (L.) Ktze.  
*Juncus acuminatus* Mx.  
*J. articulatus* L.—Greenport.  
*J. balticus* Willd.—Brackish meadow at Orient, 30 May, 1910, and 3 June, 1914.  
*J. bufonius* L.—Margin of salt marshes; specimens in N. Y. State Herbarium.  
*J. canadensis* J. Gay.  
*J. dichotomus* Ell.—Orient in cultivated field and in swamps, the var. *platyphyllus* Wieg.; in part determined at Bureau of Plant Industry.  
*J. effusus* L.  
*J. Gerardi* Lois.—Salt marshes; used for hay.  
*J. Greenei* Oakes & Tuck.—Orient on hills.  
*J. marginatus* Rostk.—Rare.

*J. pelocarpus* E. Meyer—Wet places.

*J. scirpoides* Lam.—Orient.

*J. secundus* Bv.—Orient about wet places.

*J. tenuis* Willd.—Also a few-flowered form; and the var. *anthelatus* Wieg., determined at Bureau of Plant Industry.

#### MELANTHACEAE

*Veratrum viride* Ait.—Greenport and Gardiner's Island.

#### LILIACEAE

*Allium canadense* L.—Rare at Orient in dry woods.

*A. vineale* L.—Orient.

*Hemerocallis fulva* L.—Orient, escaped along roads.

*Lilium canadense* L.

*L. superbum* L.—Orient.

*L. tigrinum* Andr.—Escaped to roadsides and meadows.

*Ornithogalum umbellatum* L.—Escaped at Orient.

#### CONVALLARIACEAE

*Asparagus officinalis* L.

*Polygonatum biflorum* (Walt.) Ell.

*P. commutatum* (R. & S.) Dietr.

*Unifolium canadense* (Desf.) Greene.

*Uvularia perfoliata* L.

*U. sessilifolia* L.

*Vagnera racemosa* (L.) Morong—Some of the plants unusually pubescent (!); specimens in N. Y. State Herbarium.

*V. stellata* (L.) Morong.

#### TRILLIACEAE

*Medeola virginiana* L.

*Trillium cernuum* L.—Rare at Greenport.

#### SMILACEAE

*Smilax glauca* Walt.

*S. herbacea* L.

*S. rotundifolia* L.

#### AMARYLLIDACEAE

*Hypoxis hirsuta* (L.) Coville.

#### DIOSCOREACEAE

*Dioscorea villosa* L.—Rare on Gardiner's Island and at Southold in moist woods.

#### IRIDACEAE

*Iris prismatica* Pursh—Orient; specimens in N. Y. State Herbarium.

*I. versicolor* L.

*Sisyrinchium angustifolium* Mill.

*S. atlanticum* Bicknell—Orient.

*S. graminoides* Bicknell—Rare at Greenport in moist woods; determined at Bureau of Plant Industry.

#### ORCHIDACEAE

*Blephariglottis blephariglottis* (Willd.) Rydb.—Orient in bogs; determined at the New York Botanical Garden.

*B. lacera* (Mx.) Farwell.

*Fissipes acaulis* (Ait.) Small—Rare at East Marion and Southold. (*Cypripedium acaule* Ait.)

*Ibidium cernuum* (L.) House—Orient. (*Spiranthes cernua* (L.) Richard.)

*I. gracile* (Bigel.) House.

*I. praecox* (Walt.) House—Specimens in N. Y. State Herbarium.

*Limodorum tuberosum* L.—Rare at Orient.

*Peramium pubescens* (Willd.) MacM.

*Perularia flava* (L.) Farwell—Rare at Orient; determined at New York Botanical Garden.

*Tipularia uniflora* (Muhl.) BSP.—Rare at Greenport, 21 Aug. (flowers) and 30 Oct. (fruit), 1911; "a colony of about 30 plants"; reported in N. Y. State Mus. Bull. 157: 42. 1912. The 19 July, 1914, Mr. Latham spent fully two hours hunting for *Tipularia* before he was successful; so perfectly does the little dark-colored stem blend with the surrounding dead laurel twigs that one almost loses it when they remove the eye from it. The 24 Aug. 1914, it was decided that a forest fire had destroyed the colony of 30 plants; for the corms were exposed more than one-half out of the ground.

## DICOTYLEDONES

### JUGLANDACEAE

*Hicoria alba* (L.) Britton—Rare; specimens in N. Y. State Herbarium.

*H. cordiformis* (Wang.) Britton—(*Hicoria minima* (Marsh.) Britton.)

*H. glabra* (Mill.) Britton.

*H. ovata* (Mill.) Britton.

### MYRICACEAE

*Comptonia peregrina* (L.) Coult.—East Marion.

*Myrica carolinensis* Mill.

### SALICACEAE

*Populus alba* L.—Roadsides and in woods.

*P. candicans* Ait.—Rarely escaped at Orient.

*P. deltoides* Marsh.—Roadsides and open woods.

*P. heterophylla* L.—Greenport in a swamp.

*P. grandidentata* Mx.—Moist woods.

*P. italica* Moench.—Rarely escaped at Orient.

*P. tremuloides* Mx.

*Salix alba* L.

*S. Bebbiana* Sarg.—Wet meadows and swamps.

*S. cordata* Muhl.—Rare at Orient in swamps.

*S. discolor* Muhl.—Rare at Orient.

*S. fragilis* L.

*S. humilis* Marsh.—Dry soil.

*S. interior* Rowlee—Rare at Orient in wet places. (*Salix longifolia* Muhl.)

*S. lucida* Muhl.—Rare at Orient.

*S. nigra* Marsh.—Rare in low grounds.

*S. purpurea* L.—Escaped at Orient; specimens in N. Y. State Herbarium.

*S. sericea* Marsh.—East Marion.



## BETULACEAE

- Alnus incana* (L.) Willd.—Greenport.  
*A. rugosa* (DuRoi) Spreng.—Rare at Orient.  
*Betula lenta* L.—Greenport.  
*B. populifolia* Marsh.  
*Corylus americana* Walt.—Rare at Orient.  
*C. rostrata* Ait.—Orient.  
*Ostrya virginiana* (Mill.) Willd.

## FAGACEAE

- Castanea dentata* (Marsh.) Borkh.  
*Fagus grandiflora* Ehrh.—Greenport, East Marion and Southold; unknown at Orient. (*Fagus americana* Sweet.)  
*Quercus alba* L.—More common at Greenport than at Orient.  
*Q. bicolor* Willd.—Greenport.  
*Q. coccinea* Wang.  
*Q. Muhlenbergii* Engelm.—Rare at Greenport.  
*Q. palustris* DuRoi—Rare.  
*Q. Prinus* L.—More common at Greenport than at Orient.  
*Q. rubra* L.—Rare.  
*Q. stellata* Wang.—Sandy soil.  
*Q. velutina* Lam.

## ULMACEAE

- Cellis occidentalis* L.

## MORACEAE

- Toxylon pomiferum* Raf.—Escaped from cultivation.

## CANNABINACEAE

- Humulus Lupulus* L.—Rare at Orient in open woods.

## URTICACEAE

- Boehmeria cylindrica* (L.) Sw.  
*Pilea pumila* (L.) A. Gray.

## SANTALACEAE

- Comandra umbellata* (L.) Nutt.—Light sandy soil.

## ARISTOLOCHIACEAE

- Asarum canadense* L.—Determined at New York Botanical Garden.

## POLYGONACEAE

- Persicaria Hydropiper* (L.) Opiz—Cultivated fields and about yards. (*Polygonum Hydropiper* L.)  
*P. hydropiperoides* (Mx.) Small—About ponds and wet places.  
*P. lapathifolia* (L.) S. F. Gray—Rare at Orient.  
*P. pennsylvanica* (L.) Small.  
*P. Persicaria* (L.) Small.  
*P. punctata* (Ell.) Small—Fields, waste places and about swamps.  
*Polygonella articulata* (L.) Meisn.—Orient.  
*Polygonum aviculare* L.—Yards and roadsides; sometimes on sandy beaches far from dwellings.

- P. buxiforme* Small—Beaches; specimens in N. Y. State Herbarium. (Formerly confused with *Polygonum littorale* Link.)
- P. erectum* L.—Orient in yards and on beaches.
- P. maritimum* L.—Beaches on Gardiner's Island; specimens in N. Y. State Herbarium.
- P. prolificum* (Small) Robins.—Orient; specimens in N. Y. State Herbarium.
- P. tenue* Mx.—Rare at Orient.
- Tiniaria Convolvulus* (L.) Webb & Moq.—Plants with the achene more shining than usual (!). (*Polygonum Convolvulus* L.)
- T. dumetorum* (L.) Opiz—Rare at Orient.
- T. scandens* (L.) Small.
- Tovara virginiana* (L.) Raf.—Gardiner's Island and rare at Greenport. (*Polygonum virginianum* L.)
- Tracaulon arifolium* (L.) Raf.—Swampy woods. (*Polygonum arifolium* L.)
- T. sagittatum* (L.) Small—Gardiner's Island.
- Rumex Acetosella* L.
- R. Brittanica* L.—Rare at Greenport in a swamp.
- R. crispus* L.
- R. hastatulus* Muhl.
- R. obtusifolius* L.
- R. pallidus* Bigel.—Rare at Orient; reported in N. Y. State Mus. Bull. 139: 29. 1910.
- R. persicarioides* L.—Rare at Orient.
- R. verticillatus* L.—Rare at Greenport.

## AMARANTHACEAE

- Acnida tuberculata* Moq.—Rare at Greenport, margin of marshes.
- Amaranthus blitoides* S. Wats.—Rare at Orient in waste places.
- A. graecizans* L.
- A. hybridus* L.
- A. retroflexus* L.

## CHENOPODIACEAE

- Atriplex arenaria* Nutt.—Orient on beaches and salt marshes.
- A. hastata* L.—Beaches and salt marshes; also *Atriplex littoralis* L., specimens in N. Y. State Herbarium.
- Chenopodium album* L.
- C. ambrosioides* L.
- C. glaucum* L.—Orient, 10 Oct. 1910, a recent introduction from New York City in stable manure.
- C. hybridum* L.—Orient on sandy beaches and salt marshes.
- C. leptophyllum* (Moq.) Nutt.—Orient on sandy beaches.
- C. urbicum* L.—Orient.
- Dondia maritima* (L.) Druce.
- Salicornia ambigua* Mx.
- S. Bigelovii* Torr.
- S. europaea* L.—The *Salicornias* determined by Dr. C. H. Peck.
- Salsola Kali* L.—Specimens in N. Y. State Herbarium.

## PHYTOLACCACEAE

*Phytolacca americana* L.—(*Phytolacca decandra* L.)

## AIZOACEAE

*Mollugo verticillata* L.

*Sesuvium maritimum* (Walt.) BSP.—Gardiner's Island; specimens in N. Y. State Herbarium.

## PORTULACACEAE

*Claytonia virginica* L.—Rare at East Marion.

*Portulaca oleracea* L.

## ALSINACEAE

*Alsine graminea* (L.) Britton—Rare at Orient.

*A. media* L.

*Arenaria serpyllifolia* L.—Orient.

*Cerastium viscosum* L.—Reported in N. Y. State Mus. Bull. 139: 33. 1910.

*C. vulgatum* L.

*Honkenya peploides* (L.) Ehrh.—Orient on beaches; specimens in N. Y. State Herbarium. (*Arenaria peploides* L.)

*Moehringia lateriflora* (L.) Fenzl.

*Sagina decumbens* (Ell.) T. & G.—Rare at East Marion; reported in N. Y. State Mus. Bull. 150: 48. 1911.

*S. procumbens* L.

*Spergula arvensis* L.

*Tissa marina* (L.) Britton—Specimens in N. Y. State Herbarium.

*T. rubra* (L.) Britton—Rare at Orient.

## CARYOPHYLLACEAE

*Agrostemma Githago* L.

*Dianthus Armeria* L.

*Lychnis alba* Mill.—Roadsides.

*L. Coronaria* (L.) Desr.—Rare at Orient.

*L. dioica* L.—Rare at Orient.

*Saponaria officinalis* L.

*Silene antrirrhina* L.

*S. caroliniana* Walt.—Orient and Southold in sandy soil.

*S. latifolia* (Mill.) Britton & Rendle—Rare.

*S. noctiflora* L.—Rare at Orient.

*S. stellata* (L.) Ait.—Rare at Orient.

*Vaccaria Vaccaria* (L.) Britton—Rare at Orient.

## NYMPHAEACEAE

*Castalia odorata* (Dryand.) Woodv. & Wood.

## MAGNOLIACEAE

*Liriodendron Tulipifera* L.—Rare at Greenport.

## RANUNCULACEAE

*Anemone quinquefolia* L.

*A. virginiana* L.

*Aquilegia canadensis* L.—Rare at Orient.

- Calltha palustris* L.—Rare at Southold in wet places.  
*Clematis virginiana* L.  
*Halerpestes Cymbalaria* (Pursh) Greene—Waste places at Orient; determined at Bureau of Plant Industry. (*Ranunculus Cymbalaria* Pursh.)  
*Ranunculus abortivus* L.—Rare at Orient.  
*R. acris* L.—Rare at Greenport and Southold.  
*R. bulbosus* L.  
*R. delphinifolius* Torr.—Rare at Orient.  
*R. recurvatus* Poir.—Greenport; plants with a bulbous base (!).  
*R. sceleratus* L.—Rare at Greenport and Southold in muddy places.  
*Thalictrum polygamum* Muhl.  
*T. revolutum* DC.—Orient. (*Thalictrum purpurascens* Am. auth.)

## BERBERIDACEAE

- Berberis vulgaris* L.

## LAURACEAE

- Bensoin aestivale* (L.) Nees—Greenport and Gardiner's Island in wet woods.  
*Sassafras Sassafras* (L.) Karst.

## PAPAVERACEAE

- Glaucium Glaucium* (L.) Karst.—Rare at Orient; but frequent on Gardiner's Island.  
*Papaver Rhoeas* L.—Rare at Orient.  
*P. somniferum* L.—Rare at Orient.

## CRUCIFERAE

- Alyssum alyssoides* L.—Rare at Orient; determined at Bureau of Plant Industry.  
*Arabis glabra* (L.) Bernh.—Sandy soil (purplish plants).  
*Armoracia Armoracia* (L.) Britton—Rare at Orient. (*Roripa Armoracia* (L.) A. S. Hitchc.)  
*Barbarea Barbarea* (L.) MacM.  
*B. verna* (Mill.) Aschers—Rare at Orient; determined at Bureau of Plant Industry.  
*Berteroa incana* (L.) DC.—Rare at Orient in meadows.  
*Brassica campestris* L.—Cultivated fields.  
*B. juncea* (L.) Cosson—Rare at Orient.  
*B. Napus* L.  
*B. nigra* (L.) Koch—Rare in waste ground.  
*Bursa Bursa-pastoris* (L.) Britton.  
*Cakile edentula* (Bigel.) Hook.—Upper edge of salt marshes.  
*Camelina sativa* (L.) Crantz—Orient in grain fields; reported in N. Y. State Mus. Bull. 150: 24. 1911.  
*Cardamine arenicola* Britton—Greenport; specimens in N. Y. State Herbarium.  
*C. pennsylvanica* Muhl.—Orient in muddy places.  
*Draba verna* L.—Dry hilly shaded places.  
*Erysimum officinale* L.—(*Sisymbrium officinale* (L.) Scop.)  
*Koniga maritima* (L.) R. Br.—Rare at Orient.  
*Lepidium campestre* (L.) R. Br.—Meadows.  
*L. densiflorum* Schrad.—Rare at Orient. (Formerly confused with *Lepidium apetalum* Willd.)  
*L. sativum* L.—Meadows.

*L. virginicum* L.

*Noria allissima* (L.) Britton—Rare at Orient in meadows. (*Sisymbrium allissimum* L.)

*Radicula palustris* (L.) Moench—(*Roripa palustris* (L.) Bess.)

*Raphanus Raphanistrum* L.

*R. sativus* L.—Grain fields.

*Sinapis arvensis* L.—(*Brassica arvensis* (L.) BSP.)

*Sisymbrium Nasturtium-aquaticum* L.—Rare at Orient. (*Roripa Nasturtium* (L.) Rusby.)

*Sophia Sophia* (L.) Britton—Rare at Orient.

#### DROSERACEAE

*Drosera intermedia* Hayne

*D. rotundifolia* L.—Rare at Southold.

#### CRASSULACEAE

*Sedum triphyllum* (Haw.) S. F. Gray—Rare. (*Sedum telephium* Am. auth.)

#### SAXIFRAGACEAE

*Micranthes virginiensis* (Mx.) Small—Rare at Orient. (*Saxifraga virginiensis* Mx.)

#### HAMAMELIDACEAE

*Hamamelis nivirgiana* L.—Greenport, Southold and Gardiner's Island in moist woods; no Orient records.

#### GROSSULARIACEAE

*Grossularia Cynosbati* (L.) Mill.—Orient in woods. (*Ribes Cynosbati* L.)

*G. oxyacanthoides* (L.) Mill.

*Ribes vulgare* Lam.—Orient. (Formerly confused with *Ribes rubrum* L.)

#### PLATANACEAE

*Platanus occidentalis* L.

#### ROSACEAE

*Agrimonia gryposepala* Wallr.

*Argentina Anserina* (L.) Rydb.—Orient and Gardiner's Island on beaches and salt marshes.

*Fragaria vesca* L.—Woods.

*F. virginiana* Duchesne—Hills and swamps (variable).

*Geum canadense* Jacq.

*Geum flavum* (Porter) Bicknell—Greenport.

*G. virginianum* L.

*Potentilla argentea* L.—Orient.

*P. canadensis* L.

*P. monspeliensis* L.

*P. pumila* Poir.—Orient and East Marion.

*P. simplex* Mx.—Orient.

*Rosa carolina* L.—Sometimes the bushes are almost wholly unarmed.

*R. cinnamomea* L.—Rarely escaped at Orient.

*R. rubiginosa* L.—Sandy soil and shaded places.

*R. rugosa* Thunb.—Rarely escaped at Orient on sandy beaches; determined at Bureau of Plant Industry.

- R. virginiana* Mill.—Both forms occur, *Rosa humilis* Marsh. and *Rosa lucida* Ehrh.  
*Rubus alleghaniensis* Porter.  
*R. hispidus* L.—Sandy bogs.  
*R. occidentalis* L.  
*R. phoenicolasius* Maxim.—Orient, established in woods.  
*R. procumbens* Muhl.  
*R. strigosus* Mx.  
*Sanguisorba canadensis* L.—Greenport in wet woods.  
*Spirea latifolia* (Ait.) Borkh.—Wet places.  
*S. tomentosa* L.—Orient.

## MALACEAE

- Amelanchier canadensis* (L.) Medic.  
*Aronia arbutifolia* (L.) Ell.—Orient.  
*A. atropurpurea* Britton.  
*A. melanocarpa* (Mx.) Britton.—Orient.  
*Crataegus chrysocarpa* Ashe—Rare at Orient. (*Crataegus rotundifolia* (Ehrh.) Borkh.)  
*C. Crus-Galli* L.  
*C. monogyna* Jacq.—Rare at Greenport. (Formerly confused with *Crataegus Oxyacantha* L.)  
*Malus Malus* (L.) Britton.

## AMYGDALACEAE

- Padus virginiana* (L.) Mill.—(*Prunus serotina* Ehrh.)  
*Prunus americana* Marsh.—Rare at Orient.  
*P. Avium* L.—Roadsides.  
*P. Cerasus* L.—Wood margins.  
*P. domestica* L.—Rare, a degenerate form.  
*P. maritima* Wang.—Rare at Greenport; but more abundant at Orient, Southold and Gardiner's Island.

## CAESALPINIACEAE

- Chamaecrista fasciculata* (Mx.) Greene.  
*Gleditschia triacanthos* L.—Rare at Orient.

## FABACEAE

- Baptisia tinctoria* (L.) R. Br.  
*Coronilla varia* L.—Rare at Greenport; specimens in N. Y. State Herbarium.  
*Cracca virginiana* L.—Mattituck.  
*Falcata comosa* (L.) Ktze.—Rare at Orient in rich woods.  
*Glycine Apios* L.—Swamps; plants sometimes with 3 leaflets. (*Apios Apios* (L.) MacM.)  
*Lathyrus maritimus* (L.) Bigel.  
*Lespedeza capitata* Mx.  
*L. frutescens* (L.) Britton—Southold.  
*L. hirta* (L.) Hornem.  
*L. procumbens* Mx.—East Marion.  
*L. Stuevei* Nutt.—Southold.  
*L. violacea* (L.) Pers.—Greenport and Southold.  
*L. virginica* (L.) Britton—Southold.  
*Lupinus perennis* L.—Southold in sandy soil.

*Medicago hispida* Gaertn.—Rare at Greenport.

*M. lupulina* L.—Greenport.

*M. saliva* L.—Rare in meadows.

*Meibomia canadensis* (L.) Ktze.—Rich woods.

*M. Dillenii* (Darl.) Ktze.—Greenport and Southold in rich woods.

*M. grandiflora* (Walt.) Ktze.

*M. nudiflora* (L.) Ktze.—Southold.

*M. viridiflora* (L.) Ktze.—Rare at Greenport; determined at Bureau of Plant Industry.

*Melilotus alba* Desv.—Greenport.

*Phaseolus polystachyus* (L.) BSP.—Orient in woods.

*Robinia Pseudo-Acacia* L.

*R. viscosa* Vent.

*Strophostyles helvola* (L.) Britton—Near beaches; specimens in N. Y. State Herbarium.

*Trifolium agrarium* L.

*T. arvense* L.

*T. hybridum* L.—Meadows.

*T. incarnatum* L.—Rare.

*T. pratense* L.

*T. procumbens* L.—Rare.

*T. repens* L.

*Vicia angustifolia* L.—Orient; also the var. *segetalis* (Thuill.) Koch; reported in N. Y. State Mus. Bull. 150: 49. 1911.

*V. hirsuta* (L.) Koch—Rare at Orient; determined at Bureau of Plant Industry.

#### GERANIACEAE

*Erodium cicutarium* (L.) L'Her.—Mattituck.

*Geranium maculatum* L.

*Robertiella Robertiana* (L.) Hanks—(*Geranium Robertianum* L.)

#### OXALIDACEAE

*Xanthoxalis Brittoniae* Small

*X. stricta* (L.) Small.

#### LINACEAE

*Cathartolinum striatum* (Walt.) Small—Brackish meadows and wet woods. (*Linum striatum* Walt.)

*C. virginianum* (L.) Reichenb.

*Linum usitatissimum* L.—Rare in grain fields.

#### BALSAMINACEAE

*Impatiens biflora* Walt.—Greenport, Southold and Gardiner's Island in wet places.

#### SIMAROUBACEAE

*Ailanthus glandulosa* Desf.—Rare at Greenport.

#### POLYGALACEAE

*Polygala cruciata* L.—Orient.

*P. lutea* L.—Rare at Greenport.

*P. paucifolia* Willd.—Orient, the station destroyed by cultivation; determined at New York Botanical Garden.

*P. polygama* Walt.—Dry open woods.

*P. verticillata* L.—Dry hilly soil.

*P. viridescens* L.—Moist woods.

## EUPHORBIACEAE

*Acalypha gracilens* A. Gray.

*A. virginica* L.

*Chamaesyce maculata* (L.) Small—Cultivated fields. (*Euphorbia maculata* L.)

*C. polygonifolia* (L.) Small.

*Tithymalus Cyprisissias* (L.) Hill—Roadsides. (*Euphorbia Cyprisissias* L.)

*T. Lathyrus* (L.) Hill—Rare at Orient in waste places; determined at Bureau of Plant Industry.

## CALLITRICHACEAE

*Callitriche heterophylla* Pursh—Edge of a pond in woods at Greenport; determined at Bureau of Plant Industry.

*C. palustris* L.—Rare at Orient in a pond, 1908; determined at New York Botanical Garden. Not found since and perhaps the many years of drought have killed the roots.

## ANACARDIACEAE

*Rhus copallina* L.

*R. glabra* L.

*Toxicodendron radicans* (L.) Ktze.—Plants may be either low or high climbing; the leaves sometimes toothed. (*Rhus radicans* L.)

*T. vernix* (L.) Ktze.—Rare.

## ILICACEAE

*Ilex bronxensis* Britton—Rare at Orient; specimens in N. Y. State Herbarium.

*I. glabra* (L.) A. Gray—Rare at East Marion.

*I. verticillata* (L.) A. Gray.

## CELASTRACEAE

*Celastrus scandens* L.

## ACERACEAE

*Acer carolinianum* Walt.—Rare on Gardiner's Island. (*Acer rubrum tridens* Wood.)

*A. Negundo* L.—Escaped at Orient.

*A. rubrum* L.

*A. saccharinum* L.

## RHAMNACEAE

*Ceanothus americanus* L.—Rare at Southold.

*Rhamnus cathartica* L.—Orient.

## VITACEAE

*Parthenocissus quinquefolia* (L.) Planch.

*Vitis aestivalis* Mx.

*V. bicolor* LeConte.

*V. Labrusca* L.—Moist thickets.

## TILIACEAE

*Tilia americana* L.

## MALVACEAE

*Abutilon Abutilon* (L.) Rusby—Orient in cultivated fields.

*Hibiscus Moscheutos* L.



*H. Trionum* L.—Rare at Greenport.

*Malva rotundifolia* L.

#### HYPERICACEAE

*Hypericum canadense* L.—Wet meadows; specimens in N. Y. State Herbarium.

*H. majus* (A. Gray) Britton—Moist places.

*H. mutilum* L.—Moist places.

*H. perforatum* L.

*H. punctatum* Lam.—(*Hypericum maculatum* Walt.)

*Sarothra gentianoides* L.

*Triadenum virginicum* (L.) Raf.

#### CISTACEAE

*Crocianthemum canadense* (L.) Britton—East Marion. (*Helianthemum canadense* (L.) Mx.)

*C. majus* (L.) Britton—East Marion.

*Hudsonia tomentosa* Nutt.—Orient, Southold and Gardiner's Island on sandy beaches.

*Lechea intermedia* Leggett—Orient.

*L. Leggettii* Britt. & Holl.—Orient.

*L. maritima* Leggett.

*L. racemulosa* Lam.—Orient and Greenport; specimens in N. Y. State Herbarium.

*L. villosa* Ell.—Dry woods.

#### VIOLACEAE

*Viola cucullata* Ait.—Swamps.

*V. fimbriatula* J. E. Sm.

*V. lanceolata* L.

*V. pallens* (Banks) Brainerd.

*V. papilionacea* Pursh—The var. *domestica* Bicknell in old lawns.

*V. pedata* L.—East Marion and Greenport.

*V. primulifolia* L.—Greenport.

#### CACTACEAE

*Opuntia Opuntia* (L.) Coult.—Rare at Orient in sandy soil.

#### LYTHRACEAE

*Decodon verticillatus* (L.) Ell.

#### MELASTOMACEAE

*Rhexia virginica* L.—Rare at Orient.

#### ONAGRACEAE

*Chamaenerion angustifolium* (L.) Scop.—Rare at Orient.

*Circaea lutetiana* L.

*Epilobium adenocaulon* Haussk.

*E. coloratum* Muhl.—Orient.

*E. lineare* Muhl.—Rare at Orient.

*E. palustre* L.—Rare at Orient.

*E. strictum* Muhl.—Rare at Orient.

*Isnardia palustris* L.—Wet places.

*Kneiffia Alleni* (Britton) Small—Orient.

*K. fruticosa* (L.) Raimann—Also the var. *pilosella* Britton.

*K. linearis* (Mx.) Spach—Orient.

*K. longipedicellata* Small—Orient.

- K. pumila* (L.) Spach.  
*Ludwigia alternifolia* L.—Swampy places.  
*Oenothera biennis* L.  
*O. Oakesiana* Robbins—Orient.

## HALORAGIDACEAE

- Myriophyllum humile* (Raf.) Morong—Rare at East Marion.  
*M. pinnatum* (Walt.) BSP.—Greenport in a pond; determined by P. L. Ricker.  
*Proserpinaca palustris* L.—Orient.

## ARALIACEAE

- Aralia nudicaulis* L.  
*A. racemosa* L.—Rare at Greenport.

## AMMIACEAE

- Angelica atropurpurea* L.—Rare at East Marion; specimens in N. Y. State Herbarium.  
*Cicuta maculata* L.  
*Daucus Carota* L.  
*Foeniculum Foeniculum* (L.) Karst.—Escaped at Orient.  
*Heracleum lanatum* Mx.  
*Ligusticum scoticum* L.—Orient, edge of woods bordering salt marshes; reported in N. Y. State Mus. Bull. 139: 25. 1910.  
*Pastinaca sativa* L.—Rare.  
*Ptilimnium capillaceum* (Mx.) Raf.  
*Sanicula canadensis* L.  
*S. marylandica* L.  
*Sium cicutaeifolium* Schrank—Swampy woods.  
*Washingtonia Claytoni* (Mx.) Britton—Orient; specimens in N. Y. State Herbarium.  
*W. longistylis* (Torr.) Britton—Rare.

## CORNACEAE

- Cornus femina* Mill.—Rare at Orient but more abundant at East Marion and Southold. (*Cornus candidissima* Marsh.)  
*C. stolonifera* Mx.—Rare at Orient, edge of a swamp.  
*Cynoxylon floridum* (L.) Raf.—(*Cornus florida* L.)  
*Nyssa sylvatica* Marsh.

## CLETHRACEAE

- Clethra alnifolia* L.

## PYROLACEAE

- Chimaphila maculata* (L.) Pursh.  
*C. umbellata* (L.) Nutt.—Rare at Orient but more common at East Marion.  
*Pyrola americana* Sweet.  
*P. elliptica* Nutt.

## MONOTROPACEAE

- Hypopitys lanuginosa* (Mx.) Nutt.—In oak woods; the plants crimson.  
*Monotropa uniflora* L.

## ERICACEAE

- Azalea nudiflora* L.—Rare at Greenport in swamps.  
*A. viscosa* L.—Greenport and Orient in sandy swamps.

*Epigaea repens* L.—East Marion.

*Eubotrys racemosa* (L.) Nutt.—Rare at Greenport in swamps. (*Leucothoe racemosa* (L.) A. Gray.)

*Gaultheria procumbens* L.—Rare at Southold.

*Kalmia angustifolia* L.—Mattituck.

*K. latifolia* L.—East Marion and Southold.

*Uva-Ursi* *Uva-Ursi* (L.) Britton—Orient. (*Arctostaphylos Uva-Ursi* (L.) Spreng.)

*Xolisma ligustrina* (L.) Britton.

#### VACCINIACEAE

*Gaylussacia baccata* (Wang.) K. Koch—In woods.

*Oxycoccus macrocarpus* (Ait.) Pursh—Plants bearing two forms of fruit occur; taller plants bear oblong fruit and are rarer.

*Vaccinium angustifolium* Ait.—(*Vaccinium pennsylvanicum* Lam.)

*V. atrococcum* (A. Gray) Heller—In swamps.

*V. corymbosum* L.

*V. vacillans* Kalm—In woods.

#### PRIMULACEAE

*Anagallis arvensis* L.

*Lysimachia Nummularia* L.—Rare at Orient.

*L. quadrifolia* L.

*L. terrestris* (L.) BSP.

*Samolus floribundus* HBK.—Orient.

*Steironema ciliatum* (L.) Raf.—Gardiner's Island in low woods; determined by Norman Taylor.

*Trientalis americana* Pursh.

#### PLUMBAGINACEAE

*Limonium carolinianum* (Walt.) Britton.

#### OLEACEAE

*Fraxinus americana* L.—Greenport.

*Ligustrum vulgare* L.

*Syringa vulgaris* L.

#### GENTIANACEAE

*Bartonia virginica* (L.) BSP.—Rare.

*Sabbatia stellaris* Pursh—Orient on salt marshes; specimens in N. Y. State Herbarium.

#### APOCYNACEAE

*Apocynum androsaemifolium* L.

*A. cannabinum* L.—Rare at Orient; plants with the leaves lightly pubescent beneath.

*A. medium* Greene—Rare at Orient.

*A. pubescens* R. Br.—Rare at Orient; specimens in N. Y. State Herbarium.

*A. sibiricum* Jacq.—(*Apocynum album* Greene.)

*Vinca minor* L.—Roadsides at Greenport.

#### ASCLEPIADACEAE

*Asclepias amplexicaulis* J. E. Smith—Rare at Orient.

*A. purpurascens* L.—Orient.

- A. pulchra* Ehrh.—Orient in low ground.  
*A. syriaca* L.—Specimens in N. Y. State Herbarium.  
*A. tuberosa* L.—Rare at East Marion, Greenport and Southold.  
*A. verticillata* L.—Rare at Orient.

## CONVOLVULACEAE

- Convolvulus repens* L.—Orient.  
*C. sepium* L.—Orient; the flowers white or pinkish.  
*Ipomoea purpurea* (L.) Lam.—Escaped.

## CUSCUTACEAE

- Cuscuta arvensis* Beyrich—Orient and Southold.  
*C. compacta* Juss.—Greenport on *Clethra* and *Cephalanthus*.  
*C. Gronovii* Willd.

## POLEMONIACEAE

- Phlox paniculata* L.—Rarely escaped at Orient.  
*P. subulata* L.—The two stations at Orient have recently been destroyed by cultivation.

## BORAGINACEAE

- Cynoglossum officinale* L.—Rare at Orient.  
*Myosotis arvensis* (L.) Hill—Rare at Orient in cultivated grounds; determined at Bureau of Plant Industry.  
*M. virginica* (L.) BSP.—Rare at Orient; specimens in N. Y. State Herbarium.  
*Onosmodium virginianum* (L.) DC.—Rare at Orient on sandy beaches.

## VERBENACEAE

- Verbena hastata* L.  
*V. urticifolia* L.—Shaded places.

## LABIATAE

- Agastache nepetoides* (L.) Ktze.—Gardiner's Island in rich woods.  
*Clinopodium vulgare* L.—Gardiner's Island in rocky woods.  
*Collinsonia canadensis* L.—Gardiner's Island in rich woods.  
*Glecoma hederacea* L.—Rare at Orient.  
*Hedeoma pulegioides* (L.) Pers.—Rare in shaded places.  
*Koellia flexuosa* (Walt.) MacM.—Orient.  
*K. nutica* (Mx.) Britton—Rare at Orient.  
*K. virginiana* (L.) MacM.—Rare at Orient.  
*Lamium amplexicaule* L.—Orient in cultivated fields.  
*Leonurus Cardiaca* L.—Rare.  
*Lycopus americanus* Muhl.  
*L. membranaceus* Bicknell.  
*L. sessilifolius* A. Gray—Southold.  
*L. uniflorus* Mx.  
*L. virginicus* L.  
*Marrubium vulgare* L.—Orient.  
*Melissa officinalis* L.—Rare at Greenport.  
*Mentha gentilis* L.—Rare at Orient along roads.  
*M. piperita* L.—Rare at Orient.  
*M. spicata* L.  
*Nepeta Cataria* L.

*Prunella vulgaris* L.

*Scutellaria galericulata* L.—Swamps.

*S. lateriflora* L.—Orient and Greenport in low woods.

*Teucrium canadense* L.—Sandy beaches and rocky woods; specimens in N. Y. State Herbarium.

*Trichostema dichotomum* L.—Plants with pink flowers (!); reported in N. Y. State Mus. Bull. 157: 43. 1912.

#### SOLANACEAE

*Datura Stramonium* L.—Gardiner's Island and elsewhere.

*Lycium halimifolium* Mill.—Rare.

*Lycopersicon Lycopersicon* (L.) Karst.—Escaped.

*Physalis peruviana* L.—Escaped at Orient in waste places and in gardens.

*Physalodes physalodes* (L.) Britton—Escaped at Orient.

*Solanum Dulcamara* L.—Rare.

*S. nigrum* L.—Rare on sandy beaches.

#### SCROPHULARIACEAE

*Agalinis maritima* Raf.—Orient on salt marshes; specimens in N. Y. State Herbarium. (*Gerardia maritima* Raf.)

*A. purpurea* (L.) Britton—Orient; specimens in N. Y. State Herbarium.

*A. tenuifolia* (Vahl) Raf.—Dry hills.

*Chelone glabra* L.—Rare at Greenport.

*Dasystoma flava* (L.) Wood—Greenport.

*D. pedicularia* (L.) Benth.—East Marion.

*D. virginica* (L.) Britton.

*Gratiola aurea* Muhl.—Rare at Orient.

*Ilysanthes attenuata* (Muhl.) Small—Orient.

*I. dubia* (L.) Barnh.—Orient.

*Linaria canadensis* (L.) Dum.

*L. Linaria* (L.) Karst.

*Melampyrum lineare* Lam.—The leaves are variable in outline.

*Mimulus ringens* L.—Greenport.

*Pedicularis canadensis* L.—Orient.

*Scrophularia leporella* Bicknell—Rare at Orient.

*Verbascum Blattaria* L.

*V. Thapsus* L.

*Veronica arvensis* L.—Orient.

*V. officinalis* L.—East Marion.

*V. peregrina* L.—Orient.

*V. serpyllifolia* L.

#### LENTIBULARIACEAE

*Setiscapella cleistogama* (A. Gray) Barnhart—Southold; determined at Bureau of Plant Industry. (*Utricularia cleistogama* (A. Gray) Britton.)

*Stomoisia cornuta* (Mx.) Raf.—Southold. (*Utricularia cornuta* Mx.)

#### OROBANCHACEAE

*Leptamium virginianum* (L.) Raf.—Greenport.

*Thalesia uniflora* (L.) Britton—Rare at Orient.

## BIGNONIACEAE

*Bignonia radicans* L.—Rarely escaped at Orient. (*Tecoma radicans* (L.) DC.)

## PHYRMACEAE

*Phryma Leptostachya* L.—Gardiner's Island and Greenport in woods.

## PLANTAGINACEAE

*Plantago aristata* Mx.

*P. halophila* Bicknell—Orient on salt marshes; plants earlier to flower and more downy than *Plantago major* L.

*P. lanceolata* L.

*P. major* L.

*P. maritima* L.—Orient; specimens in N. Y. State Herbarium.

*P. media* L.

*P. pusilla* Pursh—Rare on dry hilltops; specimens in N. Y. State Herbarium.

*P. Rugelii* Dcne.—East Marion, shores of a pond.

*P. virginica* L.—East Marion in sandy soil.

## RUBIACEAE

*Cephalanthus occidentalis* L.

*Galium Aparine* L.—Orient in low rich shaded places.

*G. circaezans* Mx.—Rich woods.

*G. Claytoni* Mx.—Low grounds.

*G. lanceolatum* Torr.—Rare at Orient; determined at N. Y. Botanical Garden.

*G. palustre* L.—Greenport.

*G. pilosum* Ait.—Rare at Orient; the flowers purple.

*G. tinctorium* L.—Greenport in swampy woods.

*G. triflorum* Mx.—Greenport.

*Mitchella repens* L.—Plants sometimes having unusually large leaves.

## CAPRIFOLIACEAE

*Diervilla Diervilla* (L.) MacM.

*Lonicera japonica* Thunb.—Orient and East Marion in woods.

*L. sempervirens* L.—East Marion.

*Sambucus canadensis* L.

*S. racemosa* L.—Rare at Orient, the station now destroyed; determined at Bureau of Plant Industry.

*Triosteum aurantiacum* Bicknell.

*T. perfoliatum* L.—Rare at Orient.

*Viburnum acerifolium* L.—More abundant at Greenport than at Orient.

*V. dentatum* L.—“A form with leaves decidedly acuminate”; reported in N. Y. State Mus. Bull. 150: 49. 1911.

*V. Lentago* L.—Rare at Orient.

*V. venosum* Britton—Rare at East Marion in swamps; reported in N. Y. State Mus. Bull. 150: 41. 1911.

## VALERIANACEAE

*Valeriana officinalis* L.—Orient.

## CAMPANULACEAE

- Campanula rapunculoides* L.—Rarely escaped at Orient.  
*Specularia perfoliata* (L.) A. DC.—Rare in hilly woods.

## LOBELIACEAE

- Lobelia cardinalis* L.—Rare from Greenport to Southold.  
*L. inflata* L.  
*L. syphilitica* L.—Rare at Orient in low ground.

## CICHORIACEAE

- Apargia nudicaulis* (L.) Britton—Specimens in N. Y. State Herbarium. (*Leontodon nudicaule* (L.) Banks.)  
*Cichorium Intybus* L.—Orient.  
*Crepis capillaris* (L.) Wallr.—Orient. (*Crepis virens* L.)  
*C. selosa* Hall. f.—Reported in N. Y. State Mus. Bull. 150: 29. 1911.  
*C. tectorum* L.—Rare at Orient; determined by Dr. C. H. Peck.  
*Hieracium aurantiacum* L.—Rare at Orient.  
*H. Gronovii* L.—Orient; specimens in N. Y. State Herbarium.  
*H. paniculatum* L.—Greenport.  
*H. scabrum* Mx.—Plants with more naked stems than usual; specimens in N. Y. State Herbarium.  
*H. venosum* L.  
*Hypochaeris radicata* L.—Orient; specimens in N. Y. State Herbarium.  
*Krigia virginica* (L.) Willd.—Orient in light soil.  
*Lactuca canadensis* L.—Cedar woods and elsewhere; also the var. *montana* Britton.  
*L. sagittifolia* Ell.—Orient.  
*L. spicata* (Lam.) Hitchc.  
*Lapsana communis* L.—Rare at Orient; determined by P. L. Ricker.  
*Leontodon erythrospermum* (Andrz.) Britton—Light soil and on sandy beaches at Orient. (*Taraxicum erythrospermum* Andrz.)  
*L. Taraxicum* L.  
*Nabalus serpentarius* (Pursh) Hook.—Greenport.  
*N. trifoliolatus* Cass.  
*Picris echioides* L.—Reported in N. Y. State Mus. Bull. 139: 28. 1910.  
*P. hieracioides* L.—Rare at Orient; determined by Dr. C. H. Peck; reported in N. Y. State Mus. Bull. 150: 37. 1911.  
*Sonchus arvensis* L.—Rare at Orient.  
*S. asper* (L.) Hill.—Orient.  
*S. oleraceus* L.

## AMBROSIACEAE

- Ambrosia elatior* L.—(*Ambrosia artemisiaefolia* L.)  
*A. trifida* L.—Rare at Orient in cultivated fields.  
*Xanthium commune* Britton—Orient on beaches.  
*X. spinosum* L.—Rare on Gardiner's Island.

## COMPOSITAE

- Achillea Millefolium* L.—Also the *forma rosea*.  
*Anaphallis margaritacea* (L.) Benth. & Hook.—Rare.

- Antennaria neglecta* Greene.  
*A. plantaginifolia* (L.) Richards.  
*Anthemis arvensis* L.—Rare at Orient in meadows and waste places.  
*A. Cotula* L.  
*A. tinctoria* L.—Rare at Orient in meadows; specimens in N. Y. State Herbarium.  
*Arctium minus* Schkr.  
*Artemisia caudata* Mx.—Determined by Dr. C. H. Peck.  
*A. Stellariana* Bess.—Orient on beaches.  
*Aster cordifolius* L.—Greenport.  
*A. divaricatus* L.—Woods.  
*A. dumosus* L.—Orient in sandy soil.  
*A. ericoides* L.—Southold.  
*A. laevis* L.—Low woods; also the long-leaved form.  
*A. lateriflorus* (L.) Britton—Orient in woods.  
*A. macrophyllus* L.—The plants are variable.  
*A. multiflorus* Ait.  
*A. novae-angliae* L.—More common on Gardiner's Island than at Orient.  
*A. novi-belgii* L.—Low grounds.  
*A. paniculatus* Lam.  
*A. patens* Ait.—Dry hills.  
*A. puniceus* L.  
*A. salicifolius* Lam.—Orient in low places.  
*A. spectabilis* Ait.—Orient; also a form with white flowers.  
*A. subulatus* Mx.  
*A. tenuifolius* L.  
*A. Tradescanti* L.  
*A. undulatus* L.  
*A. vimineus* Lam.  
*Baccharis halimifolia* L.—Orient about salt marshes.  
*Bidens cernua* L.  
*B. comosa* (A. Gray) Wiegand—Low grounds.  
*B. connata* Muhl.—Low grounds; also a form with entire leaves.  
*B. discoidea* (T. & G.) Britton.  
*B. frondosa* L.  
*B. laevis* (L.) BSP.  
*Centaurea Cyanus* L.—Rare at Orient.  
*C. Jacea* L.—Rare at Orient in a dry pasture.  
*Chrysanthemum Leucanthemum* L.  
*Chrysopsis falcata* (Pursh) Ell.—Orient and Southold.  
*C. mariana* (L.) Ell.  
*Cirsium arvense* (L.) Scop.  
*C. discolor* (Muhl.) Spreng.  
*C. horridulum* Mx.—Specimens in N. Y. State Herbarium. (*Cirsium spinosissimum* (Walt.) Scop.)  
*C. lanceolatum* (L.) Hill.—Moist places.  
*C. muticum* Mx.—Rare at Orient.  
*C. odoratum* (Muhl.) Britton.  
*Doellingeria umbellata* (Mill.) Nees.



- Erechtites hieracifolia* (L.) Raf.—Two forms occur, hairy and smooth plants; specimens in N. Y. State Herbarium.
- Erigeron annuus* (L.) Pers.
- E. philadelphicus* L.
- E. pulchellus* Mx.
- E. ramosus* (Walt.) BSP.
- Eupatorium aromaticum* L.—Southold.
- E. hyssopifolium* L.—Southold.
- E. maculatum* L.—Orient in low grounds.
- E. perfoliatum* L.
- E. purpureum* L.
- E. verbenacifolium* Mx.
- Euthamia graminifolia* (L.) Nutt.
- E. tenuifolia* (Pursh) Greene—Southold.
- Galinsoga parviflora* Cav.—Orient along roads; the var. *hispida* DC.
- Gnaphalium obtusifolium* L.
- G. uliginosum* L.
- Helianthus annuus* L.—Rarely escaped at Orient.
- H. divaricatus* L.
- H. giganteus* L.
- H. strumosus* L.
- H. tuberosus* L.
- Lacinaria spicata* (L.) Ktze.—Orient, a colony of 50 or more plants; specimens in N. Y. State Herbarium.
- Leptilon canadense* (L.) Britton.
- Mariana mariana* (L.) Hill—Orient in a garden; specimens in N. Y. State Herbarium.
- Onopordum Acanthium* L.—More common on Gardiner's Island than at Orient and East Marion; specimens in N. Y. State Herbarium.
- Pulchea camphorata* (L.) DC.
- Rudbeckia hirta* L.
- Senecio aureus* L.—Rare at Orient.
- S. vulgaris* L.—Rare in cultivated fields.
- Seriocarpus asteroides* (L.) BSP.
- Solidago allissima* L.
- S. aspera* Ait.—Reported in N. Y. State Mus. Bull. 139: 30. 1910.
- S. bicolor* L.
- S. caesia* L.
- S. juncea* Ait.—Plants variable.
- S. nemoralis* Ait.
- S. odora* Ait.
- S. rugosa* Mill.—The broad-leaved form and the form with small leaves.
- S. sempervirens* L.
- S. serotina* Ait.—Orient in swamps.
- S. ulmifolia* Muhl.
- Tanacetum vulgare* L.
- Vernonia noveboracensis* (L.) Willd.—Orient.

## NEWS ITEMS

Among the botanical societies that will hold meetings in Philadelphia during the Christmas holidays are: Botanical Society of America, Society of American Bacteriologists, American Phytopathological Society, American Fern Society and the Sullivant Moss Society.

On Monday evening, December 14, at the meeting of the New York Academy of Sciences, a symposium on Porto Rico was held at which reports on the Academy's exploration of that island were heard. Dr. N. L. Britton, Dr. Marshall A. Howe, and Dr. N. Wille spoke on the botanical features. The latter left for Porto Rico on December 19 to study the fresh-water algae.

We learn from *Science* that Professor J. C. Bose, of Calcutta, known for his work in plant physiology, is in this country. He is to be in the east until January 11, on which date he addresses the New York Academy of Sciences, and before which time he will speak at various universities and to scientific bodies. During the latter part of January he is arranging a trip to several middle western universities. On Monday, December 7, Dr. Bose spoke at Columbia University on "Physiological Response in *Mimosa*."

Dr. Hally D. M. Jolivette, formerly instructor of botany in the State College, Pullman, Washington, has recently been appointed a scientific assistant in the office of pathological collections and inspection work, department of agriculture.

A *Joint Committee on Standards for Graphic Presentation* has been formed by the appointment of members from a number of learned societies. Botanists who have suggestions to offer should communicate with Dr. J. Arthur Harris, Station for Experimental Evolution, Cold Spring Harbor, Long Island, N. Y.

The flora of Southhold and Gardiner's Island which has occupied most of the November and December issues of *TORREYA* has been reprinted in pamphlet form. Copies may be procured from Mr. S. H. Burnham, R. F. D. No. 2, Hudson Falls, N. Y., at twenty-five cents each.

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\* New names and final members of new combinations in bold face type. In the Flora of Southold and Gardiner's Island, occupying most of the November and December issues, only family names are indexed.—ED.

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